

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\
 Data File : BF094632.D
 Acq On : 26 Apr 2017 4:39
 Operator : SJ/MA
 Sample : I2813-04 5X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 26 05:37:39 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

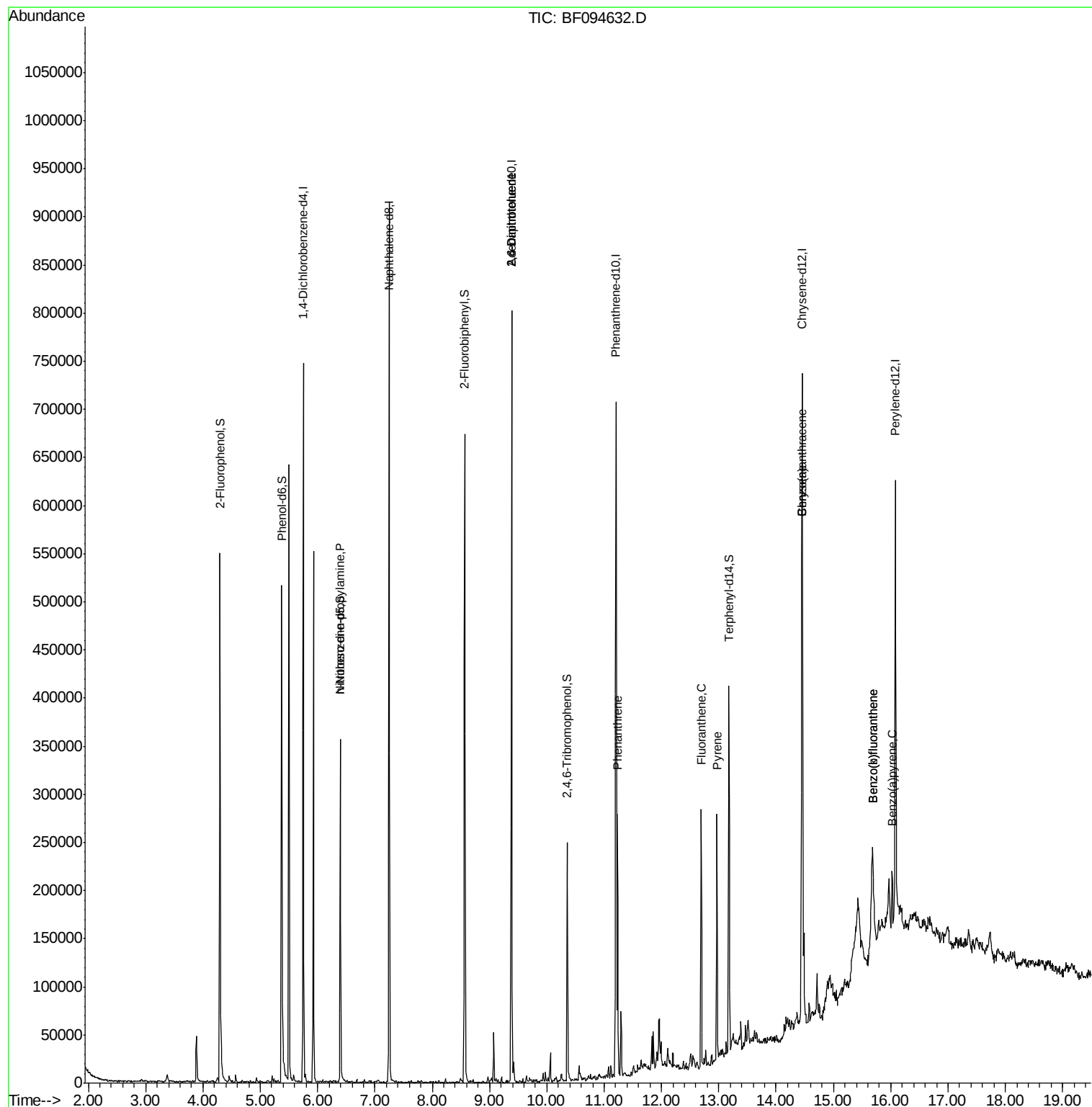
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.75	152	115354	20.00	ng	-0.01
21) Naphthalene-d8	7.25	136	453571	20.00	ng	-0.01
38) Acenaphthene-d10	9.38	164	177050	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	273507	20.00	ng	-0.02
75) Chrysene-d12	14.45	240	247491	20.00	ng	-0.01
86) Perylene-d12	16.08	264	178219	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.30	112	178482	25.67	ng	0.00
7) Phenol-d6	5.37	99	220801	26.94	ng	-0.02
23) Nitrobenzene-d5	6.40	82	120632	16.42	ng	-0.02
41) 2,4,6-Tribromophenol	10.36	330	29022	20.96	ng	-0.01
44) 2-Fluorobiphenyl	8.57	172	221260	18.39	ng	-0.02
78) Terphenyl-d14	13.18	244	115514	12.48	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.40	70	15492	2.85	ng	# 78
50) 2,6-Dinitrotoluene	9.38	165	23177	7.83	ng	# 34
56) 2,4-Dinitrotoluene	9.38	165	23176	6.38	ng	# 33
70) Phenanthrene	11.23	178	110043	7.14	ng	98
74) Fluoranthene	12.69	202	114278	7.16	ng	98
77) Pyrene	12.97	202	108353	6.27	ng	97
80) Benzo(a)anthracene	14.44	228	40144	2.79	ng	98
82) Chrysene	14.44	228	40144	3.05	ng	97
87) Benzo(b)fluoranthene	15.68	252	41923	3.85	ng	# 85
88) Benzo(k)fluoranthene	15.68	252	41923	4.06	ng	# 88
89) Benzo(a)pyrene	16.02	252	23949	2.36	ng	# 88

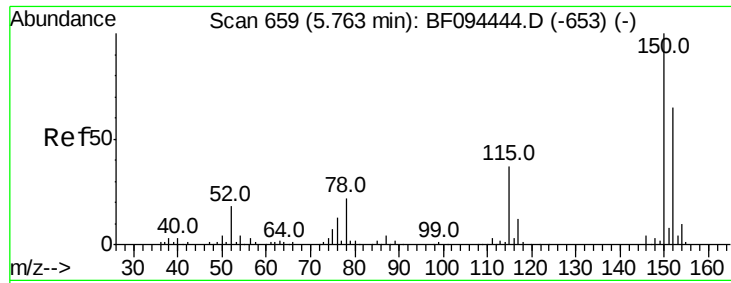
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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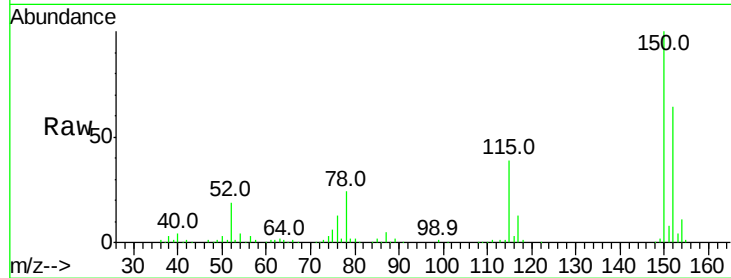


#1

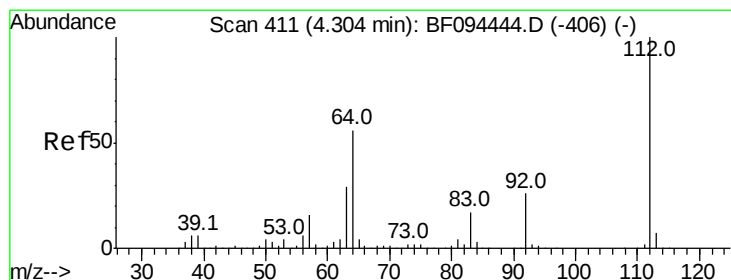
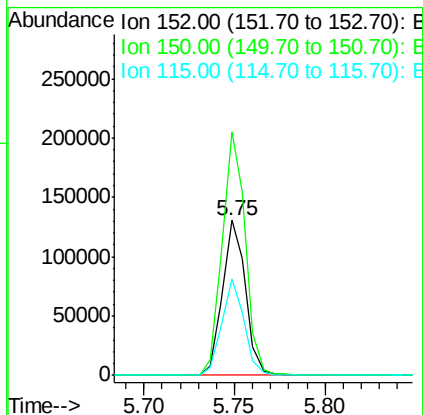
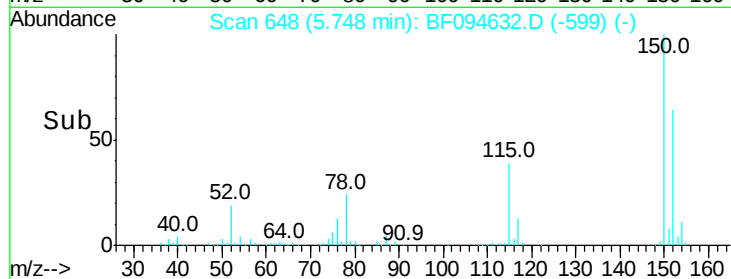
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.75 min Scan# 648
Delta R.T. -0.01 min
Lab File: BF094632.D
Acq: 26 Apr 2017 4:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 115354
Ion Ratio Lower Upper
152 100
150 157.1 126.2 189.2
115 61.9 52.2 78.2



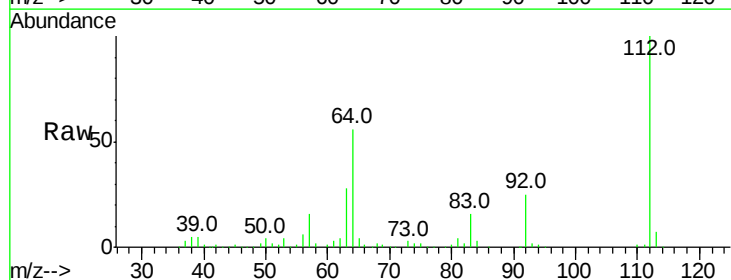
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



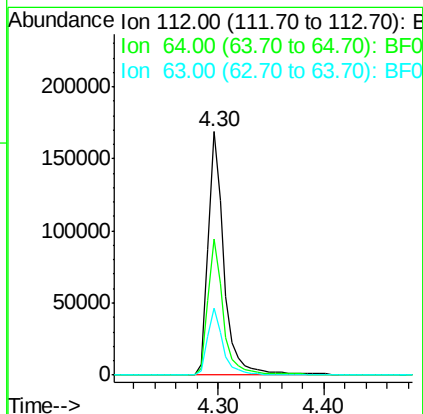
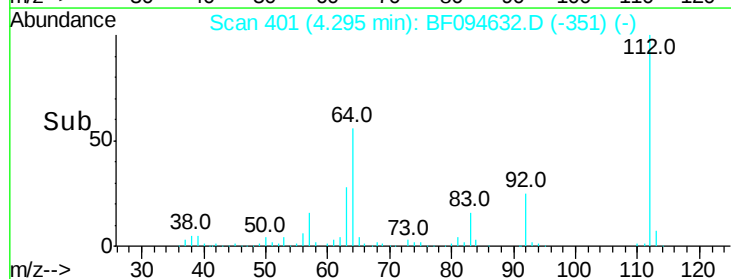
#5

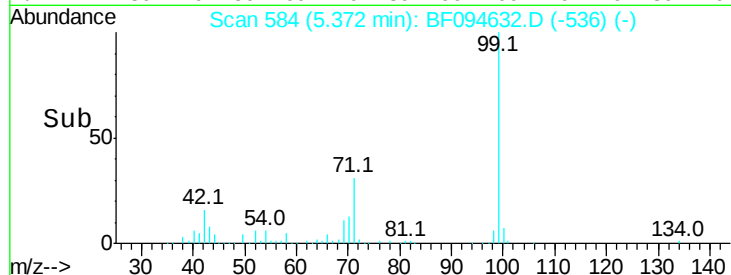
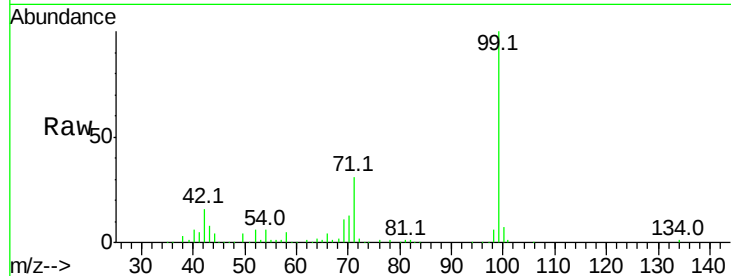
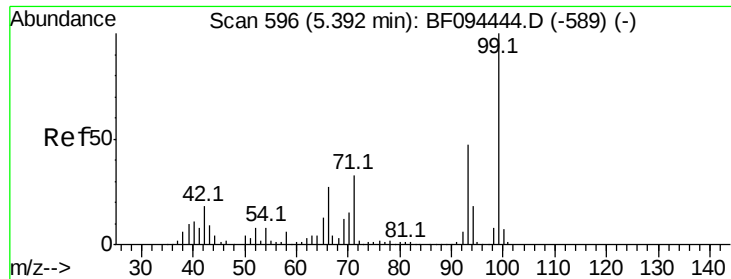
2-Fluorophenol
Concen: 25.67 ng
RT: 4.30 min Scan# 401
Delta R.T. -0.01 min
Lab File: BF094632.D
Acq: 26 Apr 2017 4:39

Tgt Ion:112 Resp: 178482
Ion Ratio Lower Upper
112 100
64 55.7 46.0 69.0
63 27.7 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 26.94 ng

RT: 5.37 min Scan# 584

Delta R.T. -0.02 min

Lab File: BF094632.D

Acq: 26 Apr 2017 4:39

Instrument :

BNA_F

ClientSampled :

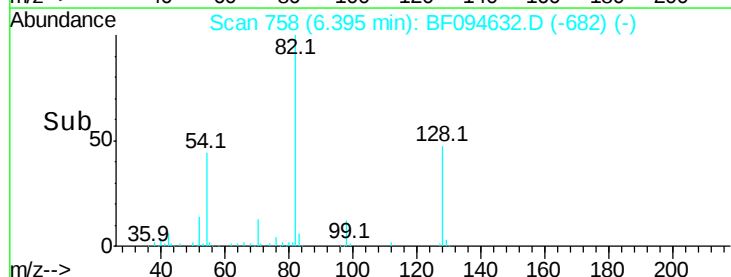
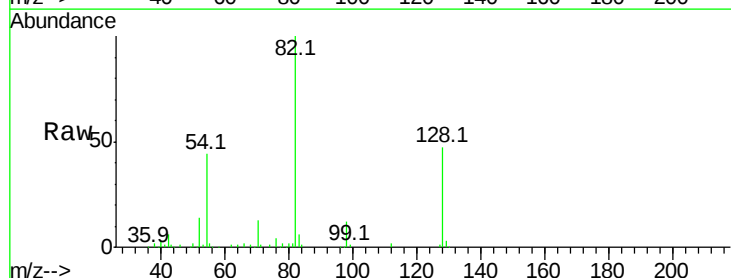
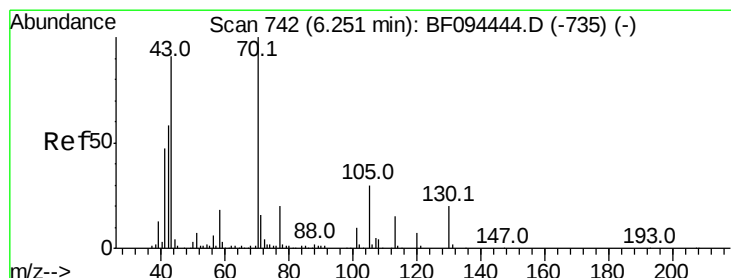
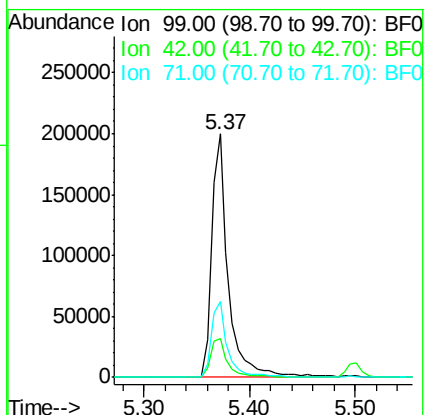
Tot Ion: 99 Resp: 220801

Ion Ratio Lower Upper

99 100

42 15.8 13.5 20.3

71 31.2 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 2.85 ng

RT: 6.40 min Scan# 758

Delta R.T. 0.14 min

Lab File: BF094632.D

Acq: 26 Apr 2017 4:39

Tgt Ion: 70 Resp: 15492

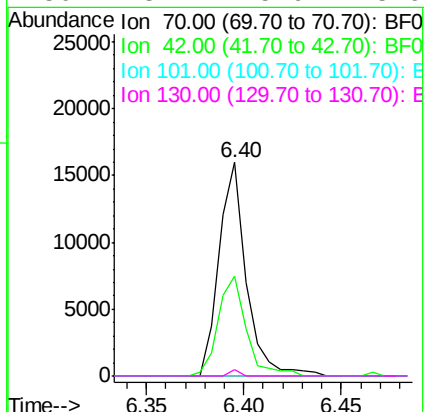
Ion Ratio Lower Upper

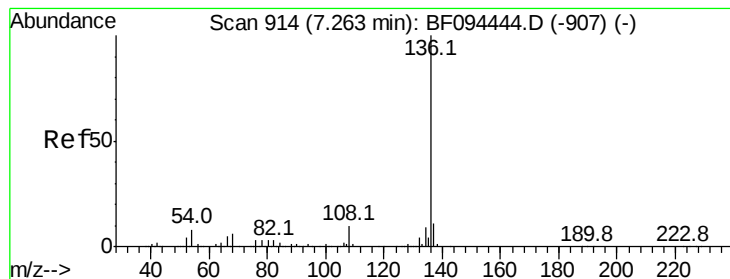
70 100

42 47.0 47.2 70.8#

101 0.0 7.2 10.8#

130 3.1 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.25 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF094632.D

Acq: 26 Apr 2017 4:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 453571

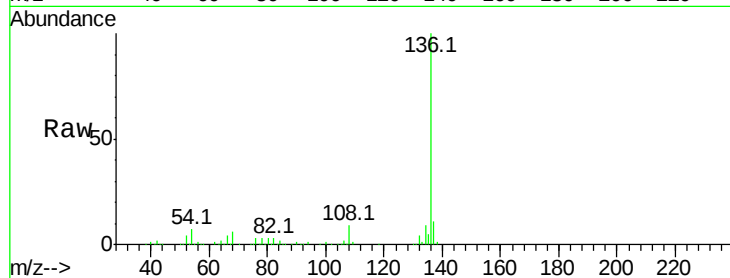
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 6.8 4.9 7.3

68 5.7 4.1 6.1

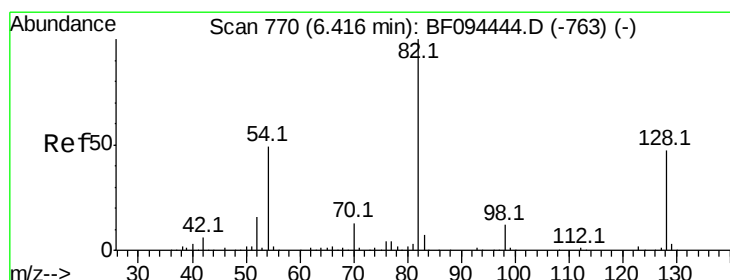
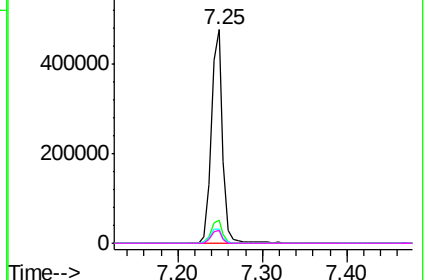
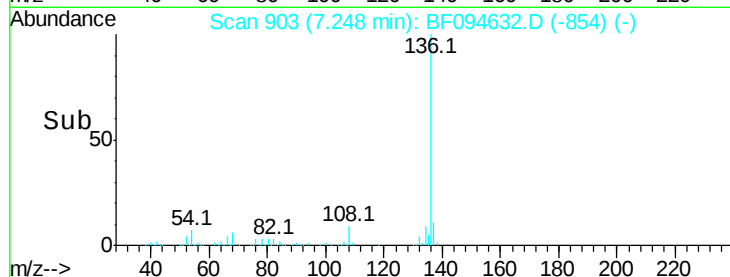


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 16.42 ng

RT: 6.40 min Scan# 758

Delta R.T. -0.02 min

Lab File: BF094632.D

Acq: 26 Apr 2017 4:39

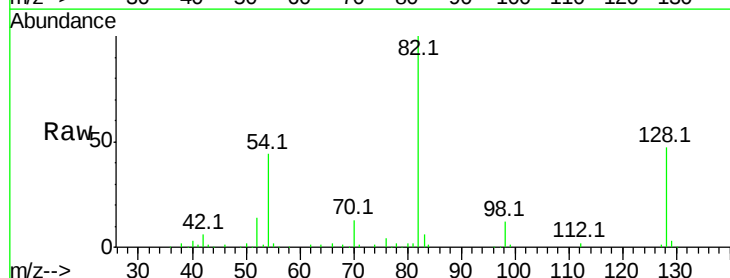
Tgt Ion: 82 Resp: 120632

Ion Ratio Lower Upper

82 100

128 47.0 34.0 51.0

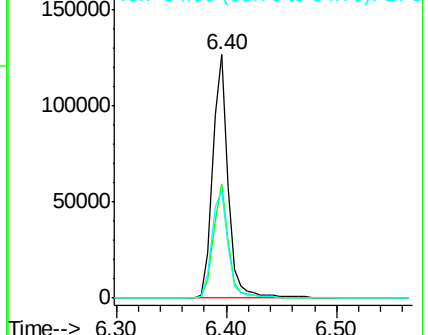
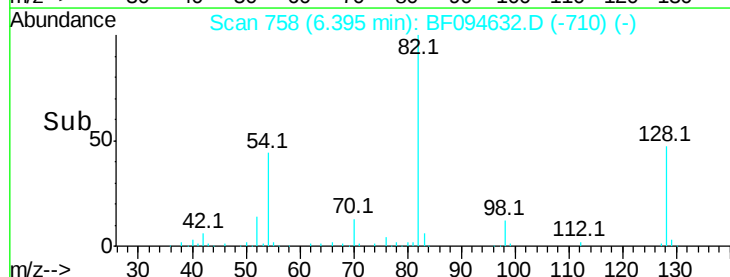
54 44.4 42.2 63.2

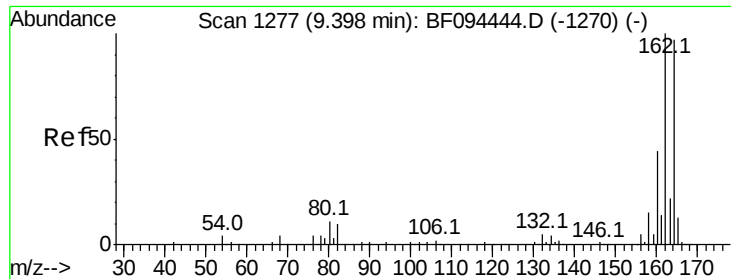


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

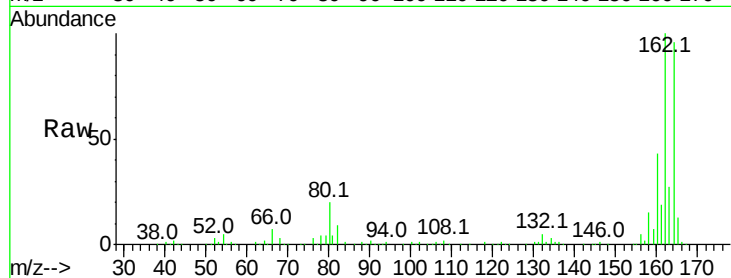




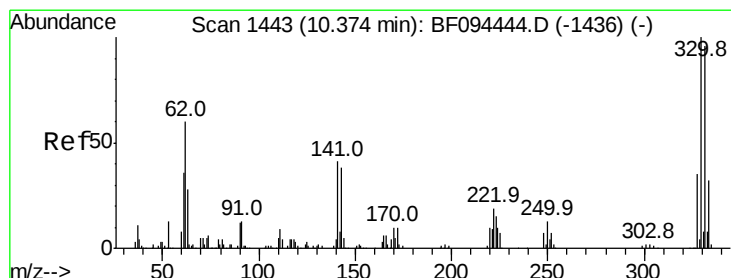
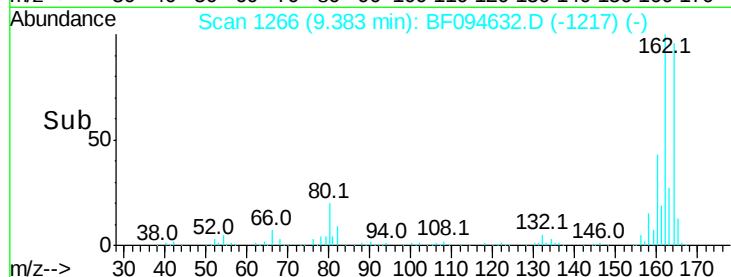
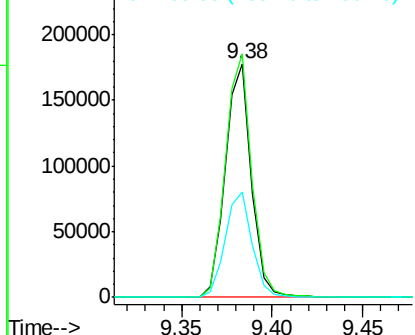
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.38 min Scan# 1266
Delta R.T. -0.01 min
Lab File: BF094632.D
Acq: 26 Apr 2017 4:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 177050
Ion Ratio Lower Upper
164 100
162 104.1 82.6 123.8
160 45.2 36.2 54.2

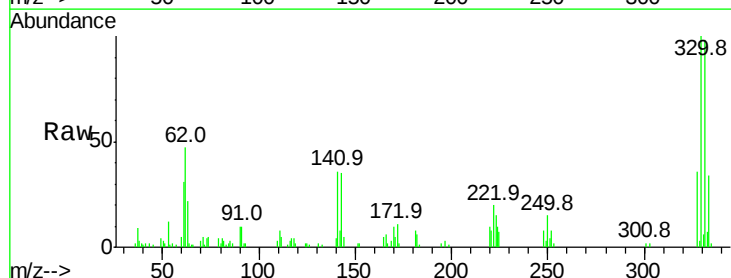


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

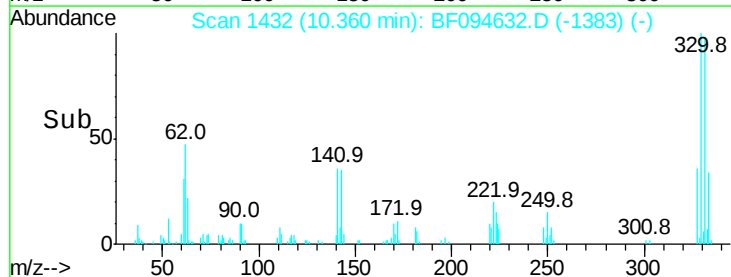
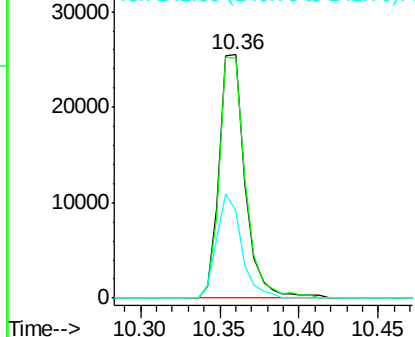


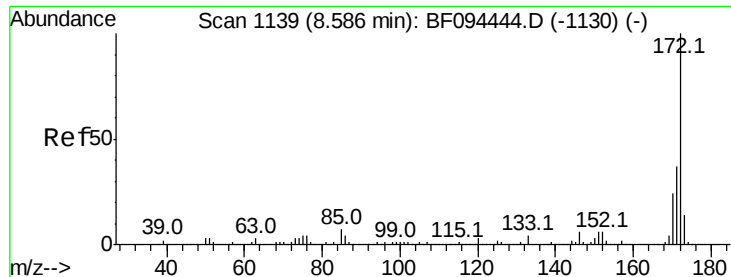
#41
2,4,6-Tribromophenol
Concen: 20.96 ng
RT: 10.36 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF094632.D
Acq: 26 Apr 2017 4:39

Tgt Ion:330 Resp: 29022
Ion Ratio Lower Upper
330 100
332 98.6 76.6 115.0
141 40.9 31.4 47.2



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

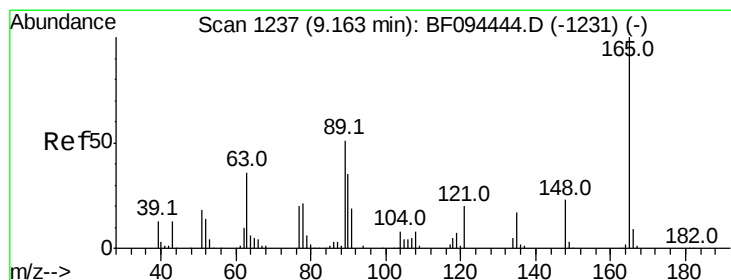
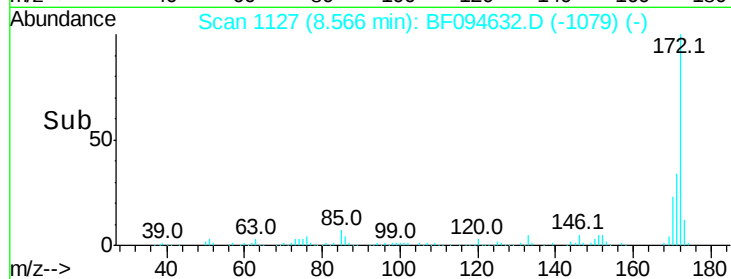
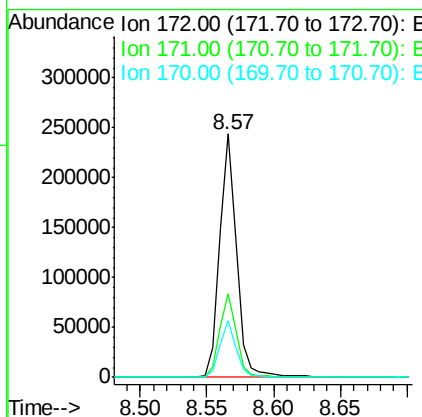
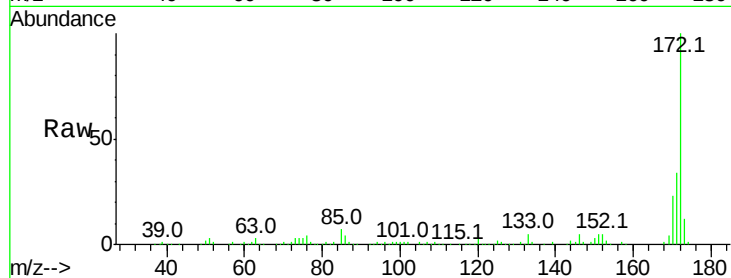




#44
 2-Fluorobiphenyl
 Concen: 18.39 ng
 RT: 8.57 min Scan# 1127
 Delta R.T. -0.02 min
 Lab File: BF094632.D
 Acq: 26 Apr 2017 4:39

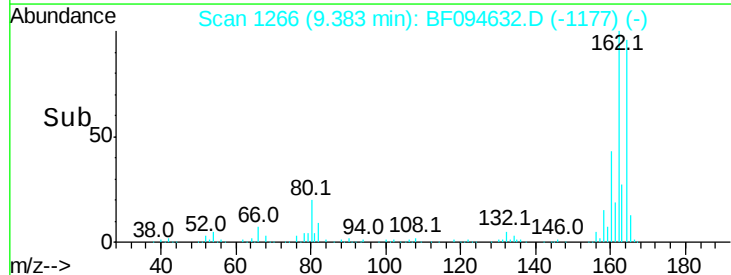
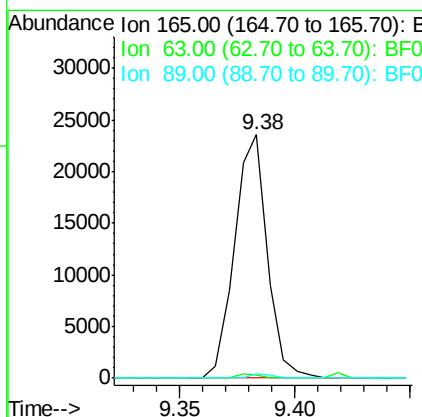
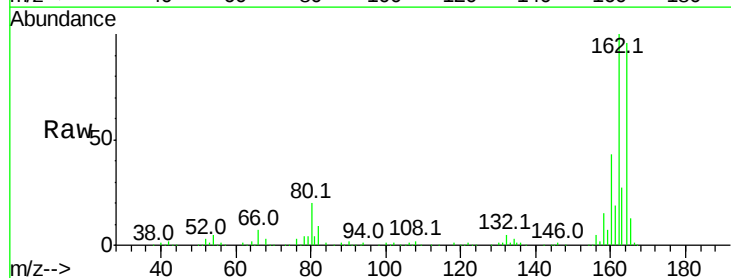
Instrument :
 BNA_F
 ClientSampleId :

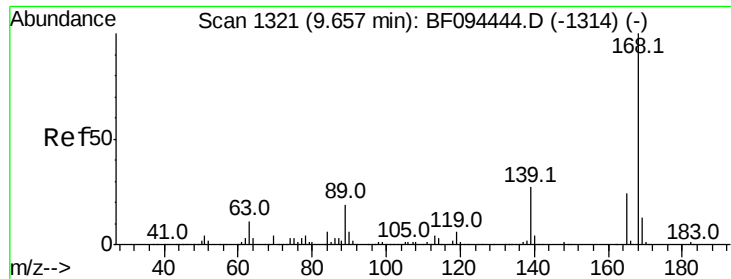
Tot Ion:172 Resp: 221260
 Ion Ratio Lower Upper
 172 100
 171 34.2 29.6 44.4
 170 23.3 19.8 29.8



#50
 2,6-Dinitrotoluene
 Concen: 7.83 ng
 RT: 9.38 min Scan# 1266
 Delta R.T. 0.22 min
 Lab File: BF094632.D
 Acq: 26 Apr 2017 4:39

Tgt Ion:165 Resp: 23177
 Ion Ratio Lower Upper
 165 100
 63 1.5 34.3 51.5#
 89 1.5 37.1 55.7#

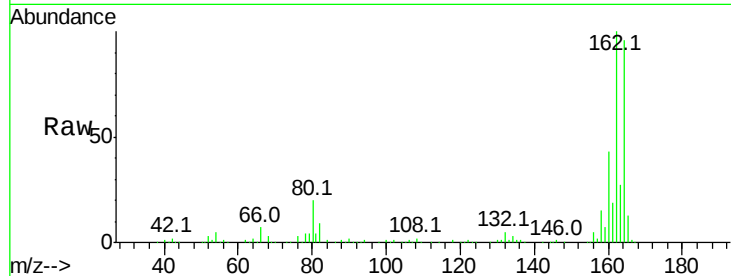




#56
 2,4-Dinitrotoluene
 Concen: 6.38 ng
 RT: 9.38 min Scan# 1266
 Delta R.T. -0.27 min
 Lab File: BF094632.D
 Acq: 26 Apr 2017 4:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	25.4	38.0#
89	1.5	46.4	69.6#
182	0.0	1.8	2.6#

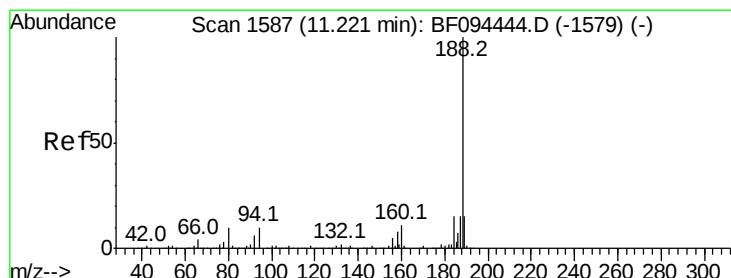
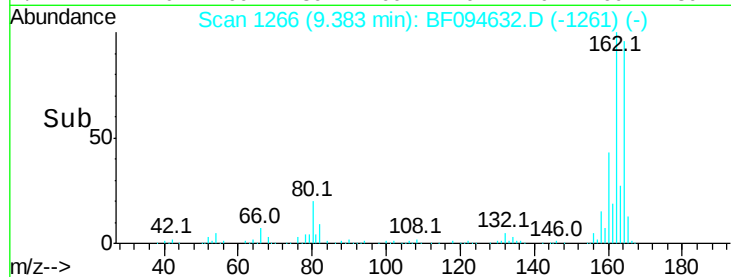
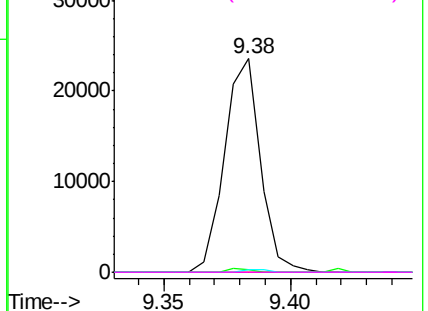


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

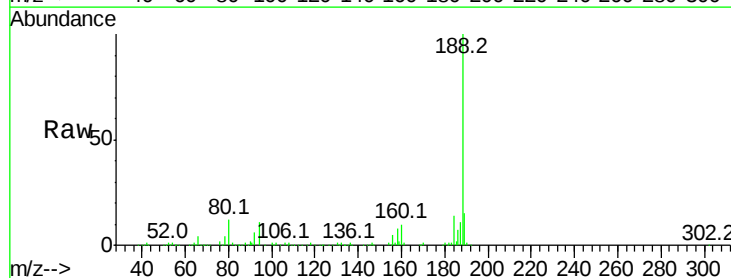
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 1575
 Delta R.T. -0.02 min
 Lab File: BF094632.D
 Acq: 26 Apr 2017 4:39

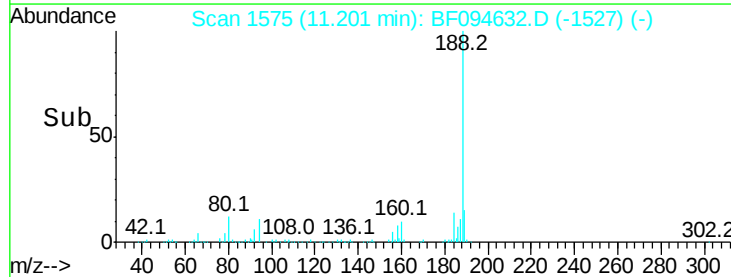
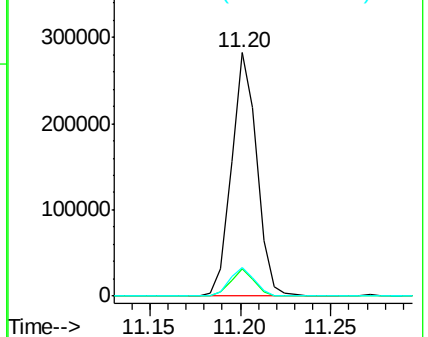
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.0	9.4	14.2
80	11.5	10.2	15.2

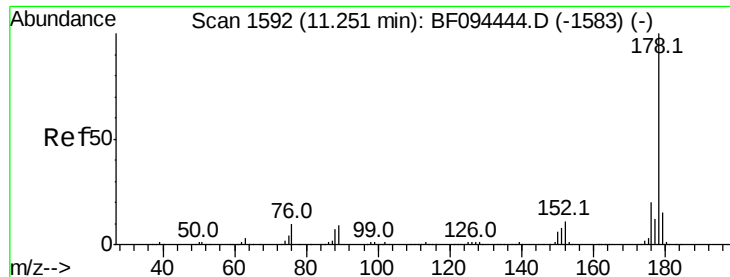


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

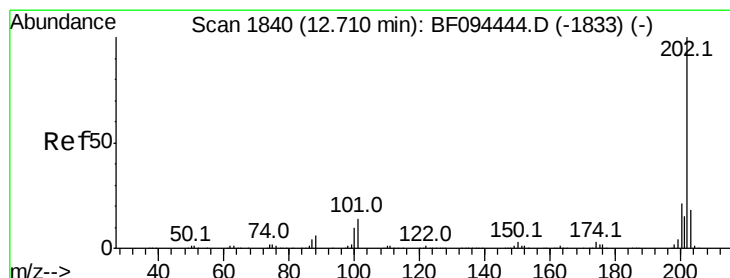
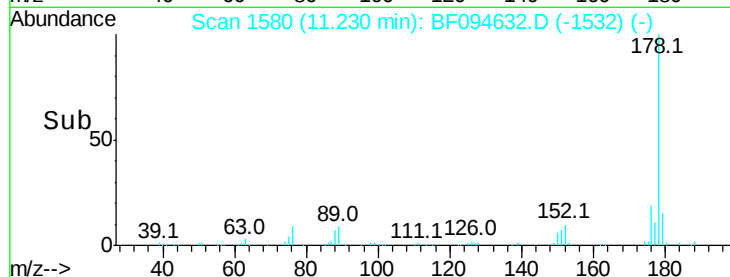
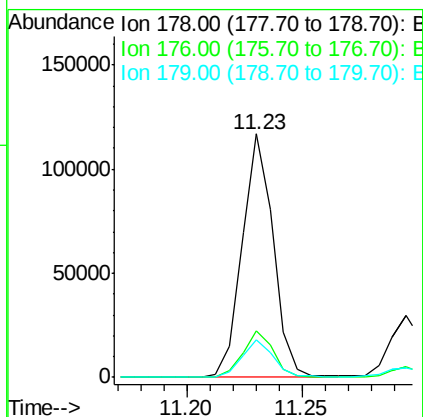
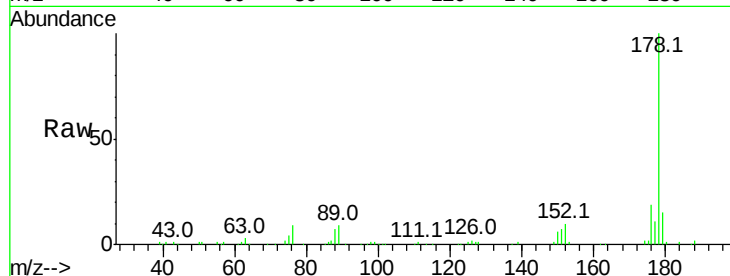




#70
Phenanthrene
Concen: 7.14 ng
RT: 11.23 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF094632.D
Acq: 26 Apr 2017 4:39

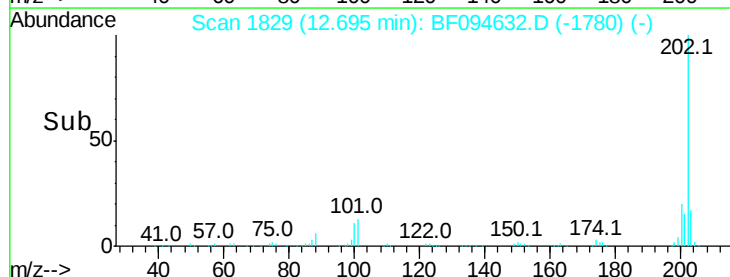
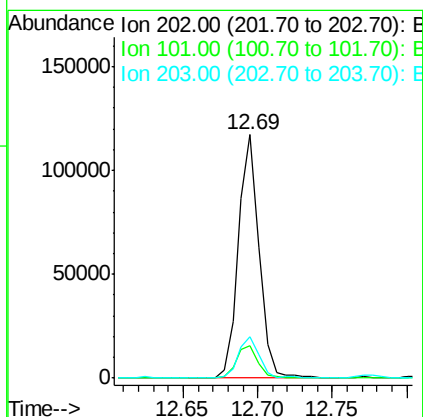
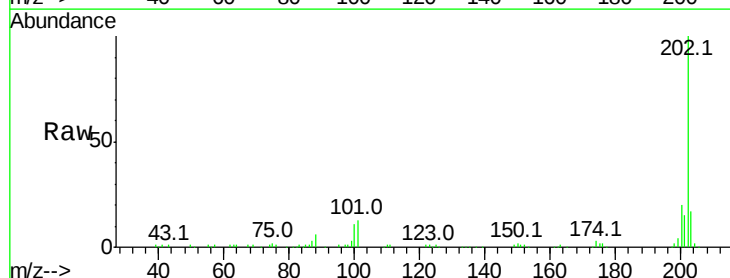
Instrument :
BNA_F
ClientSampleId :

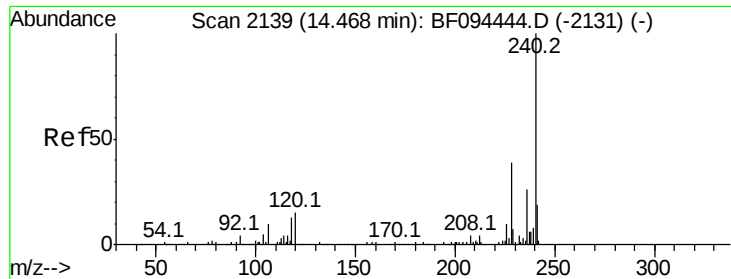
Tot Ion:178 Resp: 110043
Ion Ratio Lower Upper
178 100
176 19.0 16.2 24.4
179 15.3 12.6 19.0



#74
Fluoranthene
Concen: 7.16 ng
RT: 12.69 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF094632.D
Acq: 26 Apr 2017 4:39

Tgt Ion:202 Resp: 114278
Ion Ratio Lower Upper
202 100
101 13.5 0.0 33.2
203 17.2 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.45 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BF094632.D

Acq: 26 Apr 2017 4:39

Instrument :

BNA_F

ClientSampleId :

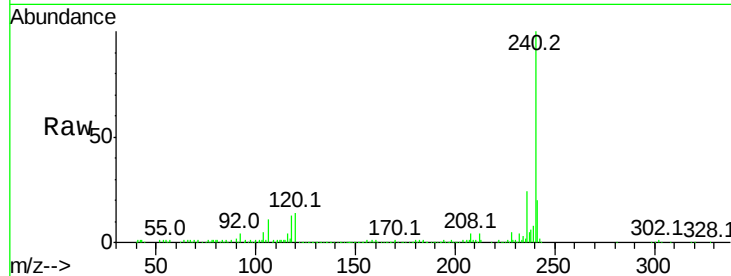
Tot Ion:240 Resp: 247491

Ion Ratio Lower Upper

240 100

120 14.3 5.8 8.8#

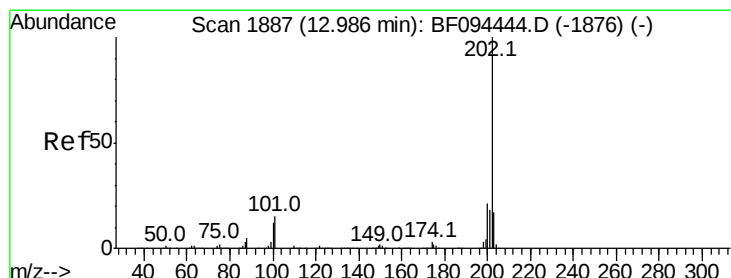
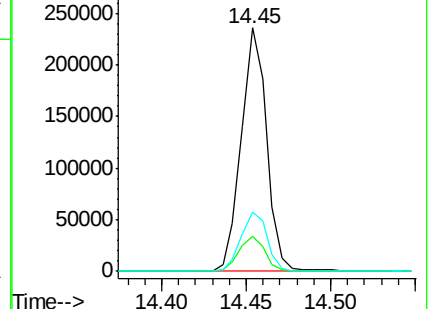
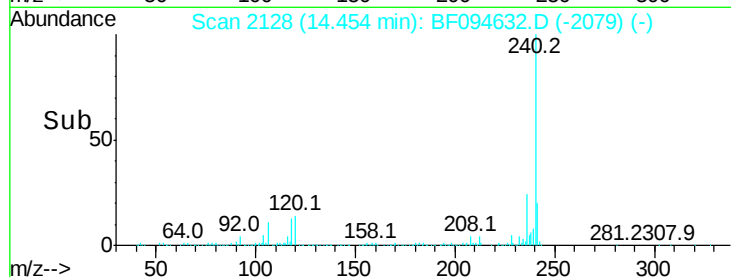
236 24.3 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 6.27 ng

RT: 12.97 min Scan# 1875

Delta R.T. -0.02 min

Lab File: BF094632.D

Acq: 26 Apr 2017 4:39

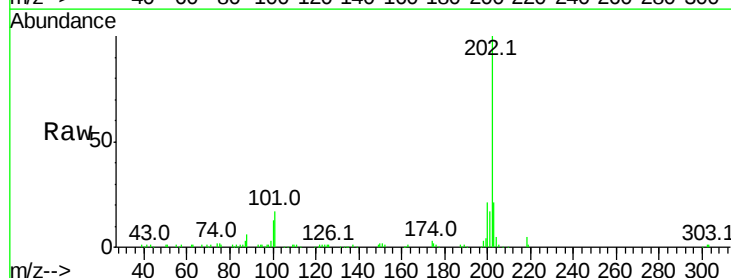
Tgt Ion:202 Resp: 108353

Ion Ratio Lower Upper

202 100

200 21.4 17.6 26.4

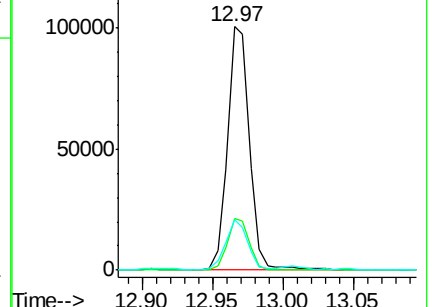
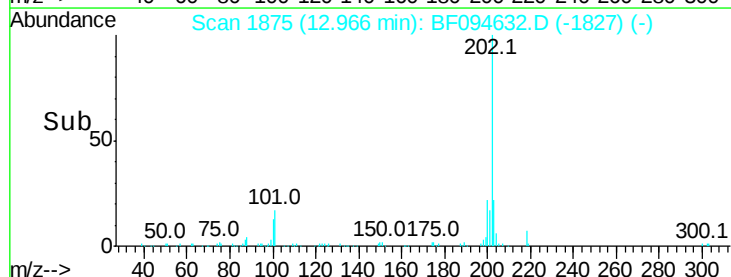
203 20.6 14.4 21.6

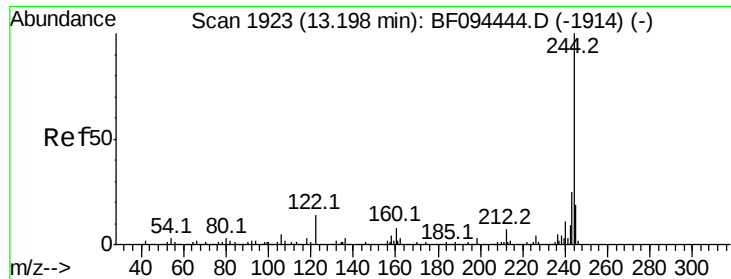


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

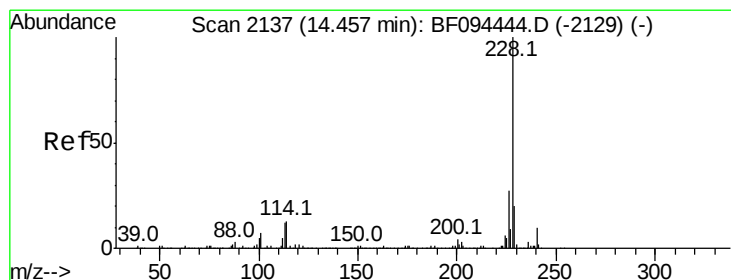
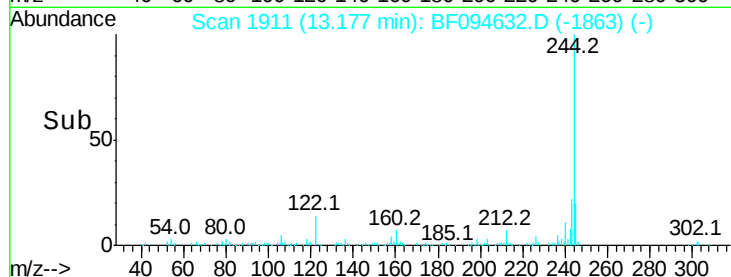
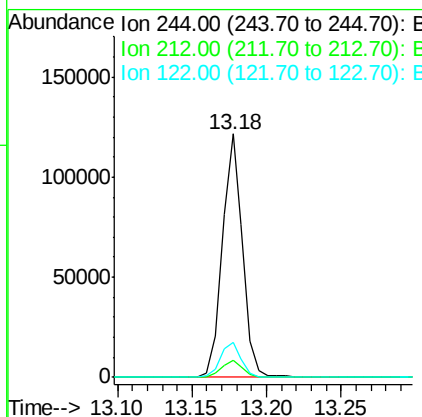
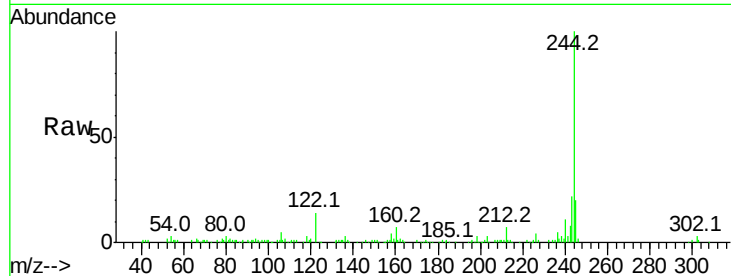




#78
 Terphenyl-d14
 Concen: 12.48 ng
 RT: 13.18 min Scan# 1911
 Delta R.T. -0.02 min
 Lab File: BF094632.D
 Acq: 26 Apr 2017 4:39

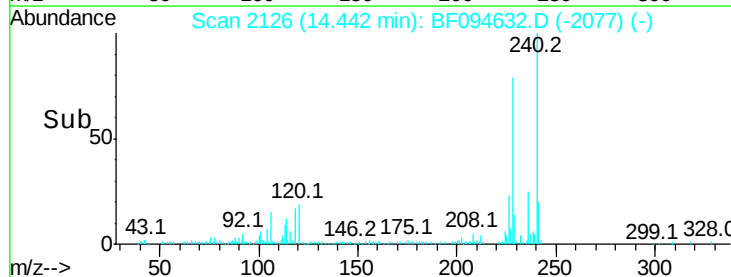
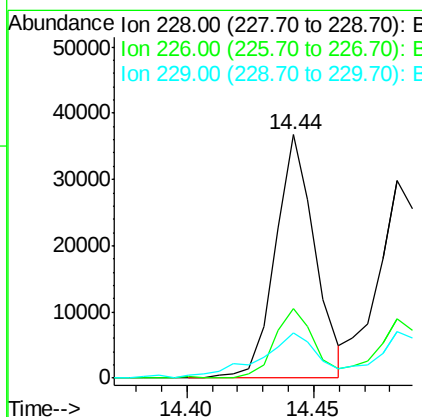
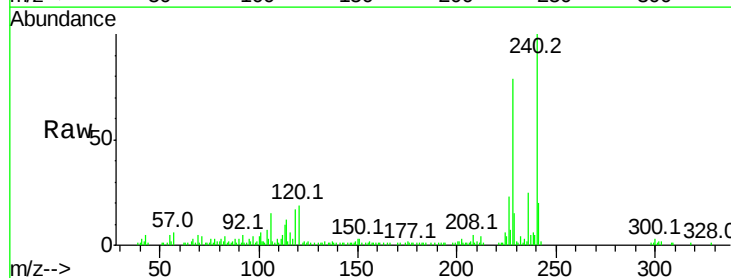
Instrument :
 BNA_F
 ClientSampleId :

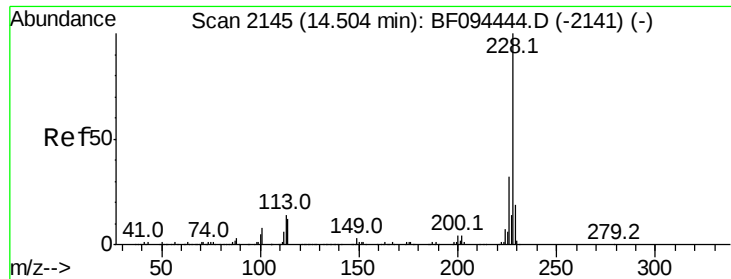
Tot Ion:244 Resp: 115514
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 14.3 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 2.79 ng
 RT: 14.44 min Scan# 2126
 Delta R.T. -0.01 min
 Lab File: BF094632.D
 Acq: 26 Apr 2017 4:39

Tgt Ion:228 Resp: 40144
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.6 33.8
 229 18.8 16.3 24.5

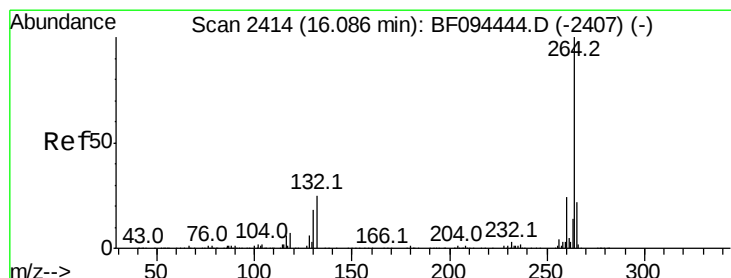
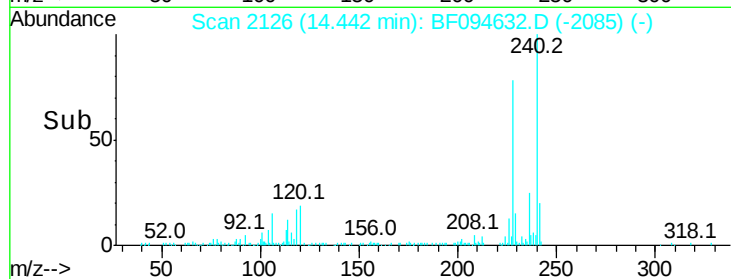
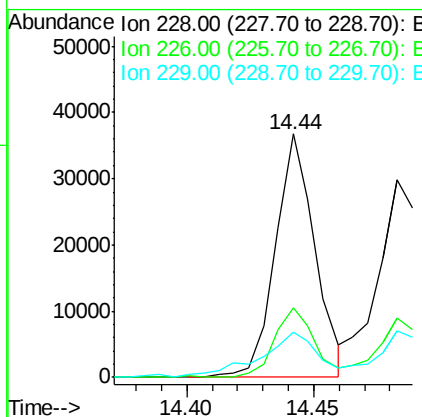
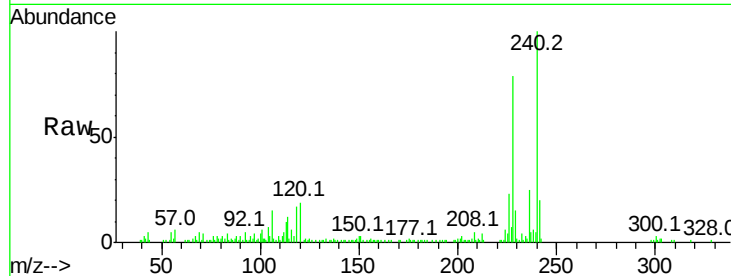




#82
 Chrysene
 Concen: 3.05 ng
 RT: 14.44 min Scan# 2126
 Delta R.T. -0.06 min
 Lab File: BF094632.D
 Acq: 26 Apr 2017 4:39

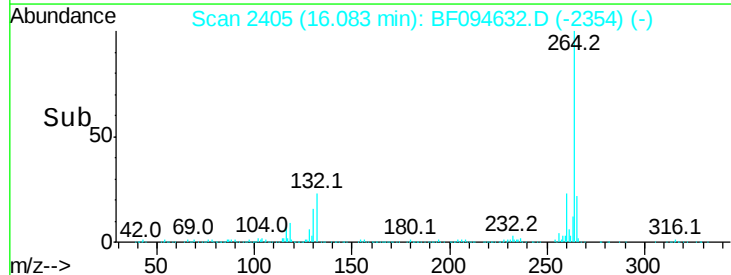
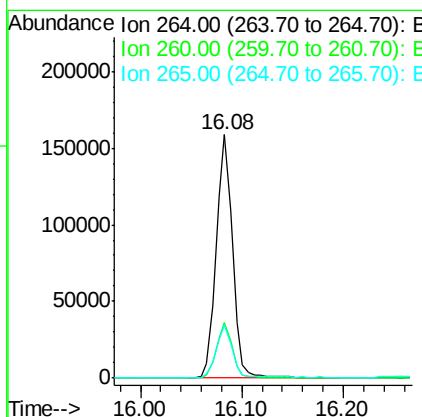
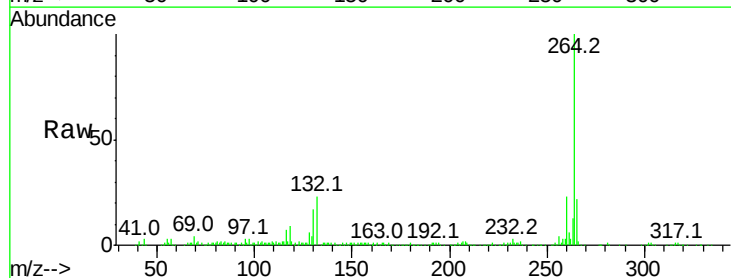
Instrument :
 BNA_F
 ClientSampleId :

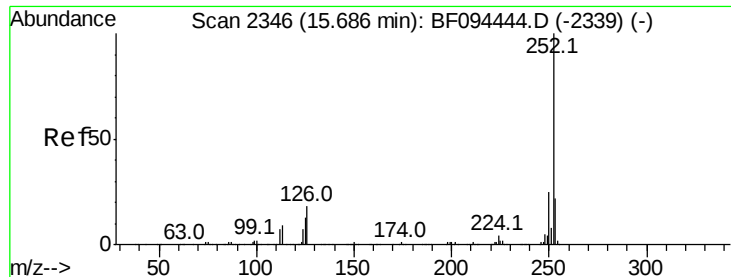
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	24.9	37.3
229	18.8	15.8	23.6



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.08 min Scan# 2405
 Delta R.T. -0.00 min
 Lab File: BF094632.D
 Acq: 26 Apr 2017 4:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.5	29.3
265	21.8	17.2	25.8

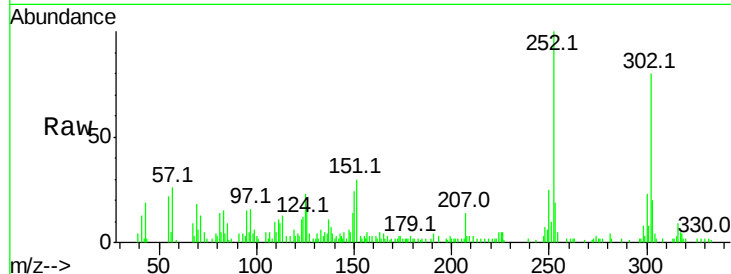




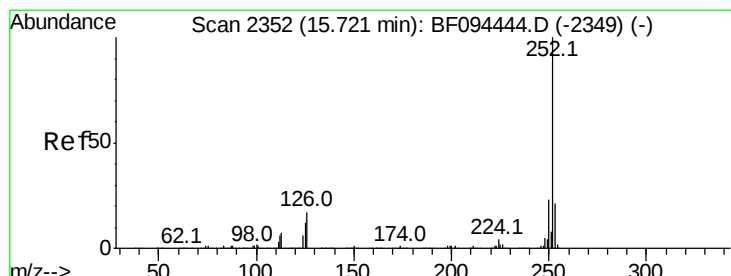
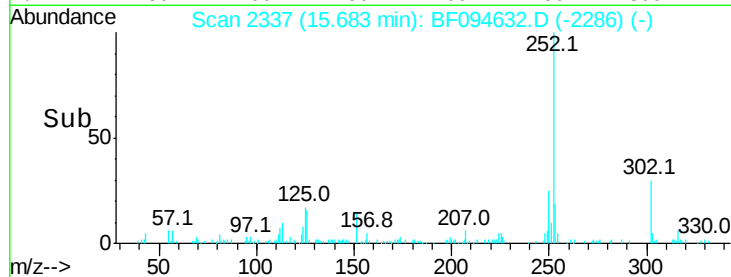
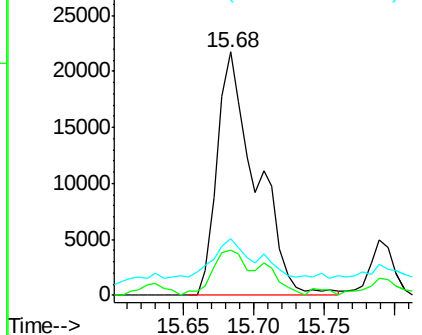
#87
Benzo(b)fluoranthene
Concen: 3.85 ng
RT: 15.68 min Scan# 2337
Delta R.T. -0.00 min
Lab File: BF094632.D
Acq: 26 Apr 2017 4:39

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	18.6	18.1	27.1
125	23.1	9.8	14.8#

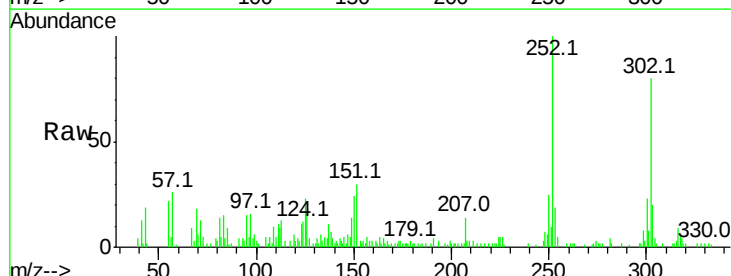


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

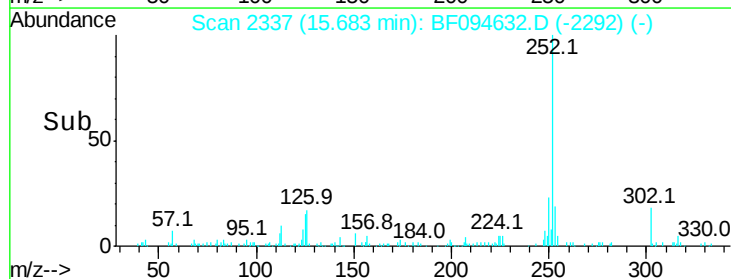
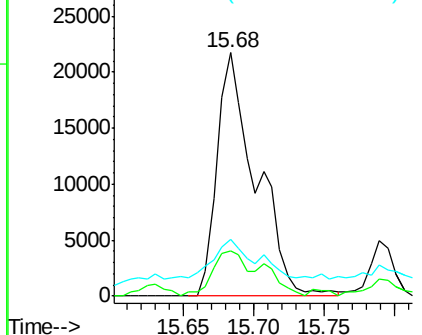


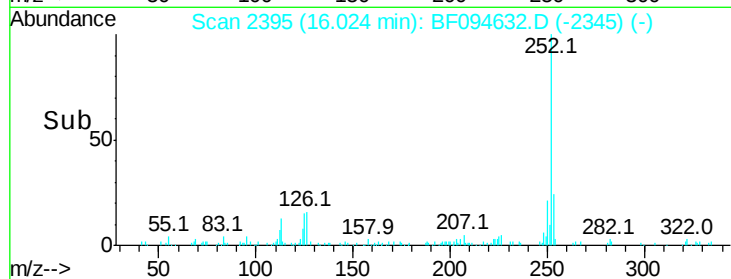
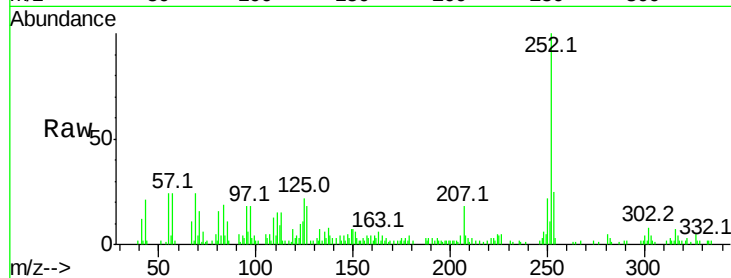
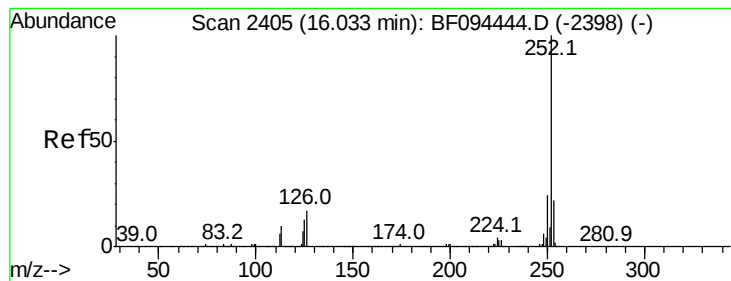
#88
Benzo(k)fluoranthene
Concen: 4.06 ng
RT: 15.68 min Scan# 2337
Delta R.T. -0.04 min
Lab File: BF094632.D
Acq: 26 Apr 2017 4:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	18.6	18.4	27.6
125	23.1	13.1	19.7#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.36 ng

RT: 16.02 min Scan# 2395

Delta R.T. -0.01 min

Lab File: BF094632.D

Acq: 26 Apr 2017 4:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 23949

Ion Ratio Lower Upper

252 100

253 25.1 17.5 26.3

125 21.6 11.0 16.4#

